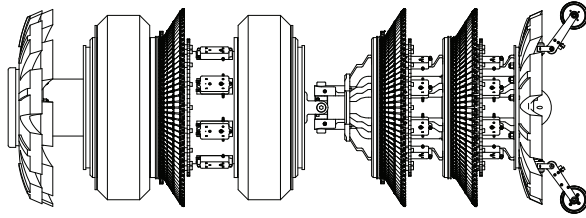




DfL™ DIGITEL FLUX LOGGER



28 inch - Technical Specifications

DESIGN

Tool Attributes

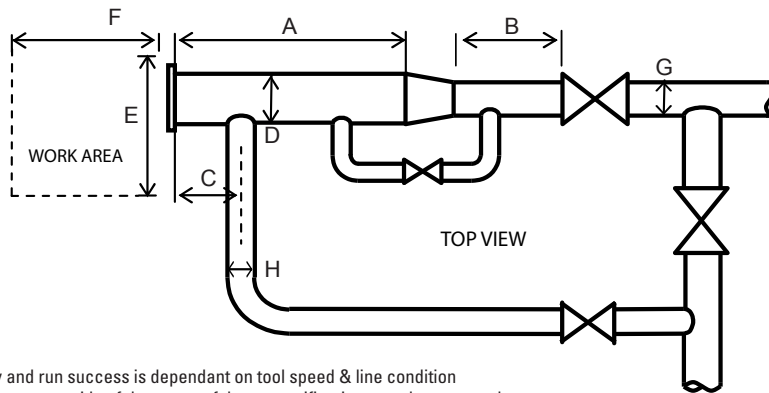
Odometer Channels	2
Odometer Resolution	0.100 in (2.54 mm)
Data Storage	Flash Data Storage, expandable
Inertial Mapping	GIS/GPS Mapping & Geospatial Reporting

DATA SETS (# Sensors)		OPERATIONAL	
Metal Loss	192	Max. Pressure	1650 psi (11376 kPa)
Residual	192	Temp. Range	32 to 140 °F (0 to 60 °C)
IDOD	96	Velocity	≈ 0.1 to 8 mph (0.04 to 3.6 m/s)
Caliper	96	Required Differential Pressure	5 to 25 psi (34 to 172 kPa)

PIPELINE GEOMETRY REQUIREMENTS	in (mm)
Local Min. Cross Sectional Diameter (in straight pipe - Dent, Buckle, etc.)	22.40 (568.96)
Feature Bore Restriction Diameter (Tee, Valve, etc.)	25.20 (640.08)
Min. Bend Radius	1.5D
Min. Bend Separation	14.00 (355.60)
Min. Tee Separation (centerline to centerline)	70.00 (1778.00)
Max. Passable Wall Thickness	1.250 (31.75)
Max. Recordable Wall Thickness	0.750 (19.05)

IMU SPECIFICATIONS @ 3 – 8 mph / (1.3 to 3.6 m/s)		DIMENSIONS	
Gyros	Accelerometers	Length	86 in (2184 mm)
Latitude ±1 m, 1 σ	Additional information available upon request	Weight	1718 lb (779 kg)
Longitude ±1 m, 1 σ		TOOL RANGE @ 3 mph (1.3 m/s)	
Elevation ±1 m, 1 σ		* Run Time	38 hours

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)								
Traps	A	B	C	D	E	F	G	H
Launcher	98 (2489)	43 (1092)	18 (457)	30 (762)	76 (1930)	158 (4013)	28 (711)	8 (203)
Receiver	98 (2489)	98 (2489)	18 (457)	30 (762)	76 (1930)	158 (4013)	28 (711)	8 (203)



Notes:

- Data quality and run success is dependant on tool speed & line condition
- Pipelines that are outside of the scope of these specifications can be assessed on an individual basis; please contact Enduro.
- Tool design may vary from image above.

* Increased run time available with additional battery packs

Data is subject to change without notice | 28" DfL 0700-4B-25812 Rev. 4
11/6/2015 - 0700-19-16483 rev 1

28 inch

REPORTING

Metal Loss	ERW	Seamless
Min. Depth Sizing (POD 90%)	10%	15%
Sizing Accuracy - Depth	± 10% (.10t)	± 15% (.15t)
Sizing Accuracy - Length	± 0.50 in (13 mm)	
Geometry Data		
Reporting Threshold	0.50% of Pipe O.D. (0.14 in)	
Sizing Accuracy - Depth	0.14 in (3.56 mm)	

Location Accuracy

Axial: ± 0.01% within a joint
Circumferential: ± 10°

Bend Data

Angle Accuracy ± 2°
Direction ± 10°
Radius ± 0.2D

Notes:



ENDURO
PIPELINE SERVICES, INC.